

KRUTIKOV, B.S.

Joint exploitation of several layers with one flowing well.
Trudy VNII no.35:11-21 '61. (MIRA 15:1)
(Oil fields—Production methods)

KRUTIKOV, Feliks Alekseyevich; DEMENT'YEV, V.A., red.; SLONOVA, I.D., mlad. red.

[Theoretical principles of determining the capacity of the market] Teoreticheskie osnovy opredelenii emkosti rynka. Moskva, Ekonomika, 1965. 158 p. (MIRA 18:9)

L 02531-67 EWT(d)/EWT(m)/EWP(c)/EWP(v)/T/EWP(t)/ETI/EWP(k)/EWP(l) IJP(c) JD
ACC NR:

AR6016522

SOURCE CODE: UR/0276/65/000/012/B006/B006

AUTHOR: Strel'tsov, I. G.; Krutikov, G. M.; Gorchakov, A. V.

TITLE: Nondestructive quality control of heat treatment in automobile components¹

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 12B38⁶¹

REF SOURCE: Tr. n.-i. in-ta tekhnol. avtomob. prom-sti, vyp. 15, 1965, 48-52^B

TOPIC TAGS: quality control, nondestructive test, metal heat treatment, engine component, automotive industry, flaw detection, electronic measurement, inductive flaw detector, metallurgic testing machine/DI-4 inductive flaw detector

ABSTRACT: The Scientific Research Institute of the Technology of the Automobile Industry has developed the DI-4 inductive flaw detector for nondestructive quality control of heat treatment in automobile components. The unit consists of an electronic instrument and two test coils (pickups) interconnected in a differential circuit. The fundamental principle for measurement by the DI-4 is based on the interaction between the magnetic field set up by the pickups and by the metal of the components to be inspected. The technical characteristics of the DI-4 are given and it is pointed out that the instrument has a capacity of 600-1200 components per hour (depending on the dimensions of the manually inspected components and the attachments which are used). For semi-automatic and automatic inspection, the Institute has made the IFN-3 fixed-stress indicator designed for operation in con-

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10

UDC: 629.113.621.81

L 02531-67

ACC NR: AR6016522

Junction with the DI-4 to send a signal from the DI-4 pickup to an automatically controlled relay circuit. The capacity may be increased to 2400 components per hour with automatic inspection. Operation of the IFN with the DI-4 for automatic inspection of connecting-rod bolts is described (the components which pass inspection are marked). Examples are given of installation of the DI-4 and IFN in a number of automobile factories. 4 illustrations. L. Tsukerman. [Translation of abstract]

SUB CODE: 13

Card 2/2 egk

SOV/137-57-1-1352

Translation from: Referativnyy zhurnal. Metallurgiya, 1957, Nr 1, p 178 (USSR)

AUTHORS: Kunyavskiy, M. N., Krutikov, G. M.

TITLE: Investigation of the Effect of the Chemical Composition on the Mechanical Properties of High-strength Iron With Spheroidal Graphite (Issledovaniye vliyaniya khimicheskogo sostava na mekhanicheskiye svoystva vysokoprochnogo chuguna s sharovidnym grafitom)

PERIODICAL: V sb.: Vopr. liteynogo proiz-va i termicheskoy obrabotki chугуна. Moscow, Mashgiz, 1956, pp 96-113

ABSTRACT: The authors studied the effect of the composition (Si, Mn and Cr) of high-strength iron (HI) on its mechanical properties (σ_b , δ_s , H_B , H_D) in the cast and the heat-treated states (annealed and normalized). 46 batches of iron were smelted in a 0.5-ton gas cupola furnace, HI was obtained by treatment with an Si-Mg alloy. The contents of elements are as follows (in %): C 2.85 - 3.41, P 0.075 - 0.13, Mg 0.02 - 0.15, Si 1.53 - 5.04, Mn 0.56 - 1.94, and Cr 0.003 - 0.52. A virtually identical ferrite structure in most of the HI batches smelted was ensured by the following extended-process annealing: Soaking for 10

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Investigation of the Effect of the Chemical Composition on the Mechanical (cont.)

hours at 950°C, cooling to 720° and soaking for 20 hours at that temperature: a pearlite structure was developed through normalization after heating to 950° and soaking for 10 hours at that temperature. It was established that with a $\leq 1.7\%$ Si content annealing does not ensure a complete graphitization. In HI with 2.42% Si after annealing a ferrite structure is developed with $\leq 0.7\%$ Mn; with 1.2% Mn more than 20% of pearlite is retained, and with 1.94% Mn 40% is retained. Cr has a similar but stronger effect on the structure. After normalization of HI a purely pearlitic structure is developed with either $<1.74\%$ Si or with $>1.0\%$ Mn. The presence of $>0.19\%$ Cr in HI ensures the formation of a very fine-grain pearlitic structure with thin ferritic fringes. With a 2 to 5% increase in Si content, the microhardness increases from 200 to 400 H_D. Annealing decreases the H_D of cast ferrite with 4.5% Si from 400 to 300 H_D. Mn increases the microhardness slightly, whereas Cr has virtually no effect on it. A description is given of the specifications and results of the tensile strength tests of HI at normal, elevated (to + 100°), and low (to - 50°) temperatures. The optimum Si content was determined to be within the following range: For cast HI 2.5 - 3.5% and for normalized and annealed HI 2.2 - 2.8% Si. The following maximum mechanical properties of HI are attained: In the cast state, with Si = 3.0 - 3.5% ($\sigma_b = 50 \text{ kg/mm}^2$, $\delta_S \leq 8\%$, H_B = 230), after annealing with 2.5 - 2.7% Si ($\sigma_b = 45 - 48 \text{ kg/mm}^2$,

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SOV/137-57-1-1352

Investigation of the Effect of the Chemical Composition on the Mechanical (cont.)

$\delta_S = 15 - 24\%$, $H_B = 140 - 166$), and after normalization with 2.5% Si ($\sigma_b = 70 \text{ kg/mm}^2$, $\delta_S = 1.0 - 1.5\%$, $H_B = 300$). With an increase in Mn content the amount of pearlite in the structure of annealed HI increases and δ_S decreases sharply not exceeding $\delta_S = 1.0 - 2.0\%$ in the presence of 1.3 - 1.5% Mn. The maximum $\delta_S = 15\%$ of annealed HI is attained only with 0.18% Cr, while with 0.5% Cr it decreases to $\delta_S = 0.8\%$. It was established that heat treatment and, consequently, the structure of the metallic base of HI has no appreciable effect on the fatigue limit ($\delta_1 = 19 - 21.7 \text{ kg/mm}^2$).

V. T.

Card 3/3

FEYGIN, Ya.G., doktor ekon.nauk; VILENSKIY, M.A., kand.ekon.nauk;
OMAROVSKIY, A.G., kand.ekon.nauk; LIVSHITS, R.S., doktor ekon.nauk;
CHUGUNOV, B.I., kand.ekon.nauk; SHOKIN, N.A., kand.ekon.nauk;
IOFFE, Ya.A.; VARANKIN, V.V., kand.ekon.nauk; ROZENFEL'D, Sh.L.,
kand.ekon.nauk; KORNEEV, A.M., doktor ekon.nauk; OPATSKIY, L.V.,
doktor ekon.nauk; VASIL'YEV, N.V., doktor ekon.nauk; RUDENKO, N.A.,
kand.ekon.nauk; BYSTROZOROV, A.S., kand.geogr.nauk; POPOVA, Ye.I.,
kand.ekon.nauk; KRUTIKOV, I.P., kand.geogr.nauk; BAKOVETSAYA, V.S.,
red.izd-va; SHEVCHENKO, O.N., tekhn.red.

[Special features and factors in the distribution of branches of
the national economy of the U.S.S.R.] Osobennosti i faktory
razmeshcheniya otrasheniya narodnogo khoziaistva SSSR. Moskva, 1960.
692 p.

1. Akademiya nauk SSSR. Institut ekonomiki.
(Economic zoning)

KRUTIKOV, I. P.,

"The computing of cable drums in the case of several cables (?)"

report to be submitted for the 4th Intl. Conference on Earthwork, Prague, Czech.,
9-15 Oct 63.

KRUTIKOV, I.P.

New designs for crane buckets. Mekh. stroi. 4 no.2:19-22
F 147. (MLRA 9:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut proyektov
tyazheologo mashinostroyeniya.
(Cranes, derricks, etc.)

KRITIKOV, I.P.

BABICH, S.I., kandidat tekhnicheskikh nauk; BAGAIKIN, R.S., professor, doktor tekhnicheskikh nauk; BEYTEL'BAU, N.I., inzhener; BELYAYEV, V.U., kandidat tekhnicheskikh nauk; BIEGZIN, I.A., kandidat tekhnicheskikh nauk; BOGUSLAVSKIY, P.Ye., kandidat tekhnicheskikh nauk; BOROVICH, L.S., kandidat tekhnicheskikh nauk; VOL'KIR, A.S., professor, doktor tekhnicheskikh nauk; GOMIKBERG, Yu.M., inzhener; GORODETSKIY, I.Ye., professor, doktor tekhnicheskikh nauk; GORDON, V.O., professor; DIMENTBERG, F.H., kandidat tekhnicheskikh nauk; DOSCHATOV, V.V., inzhener; IVANOV, A.O., kandidat tekhnicheskikh nauk; KIMASOZHILI, R.S., professor; KUDRIK, D.S., kandidat tekhnicheskikh nauk; KOLOMITS'EV, A.A., kandidat tekhnicheskikh nauk; KUSHUL', V.Ya., kandidat tekhnicheskikh nauk; LEVGENSON, Ye.M., inzhener; MAZYRIN, I.V., inzhener; MALININ, N.N., kandidat tekhnicheskikh nauk; MARTYNOV, A.D., kandidat tekhnicheskikh nauk; MIBERG, N.Ya., kandidat tekhnicheskikh nauk; NIKOLAEV, G.A., professor, doktor tekhnicheskikh nauk; PETRUSEVICH, A.I., doktor tekhnicheskikh nauk; POZDNYAKOV, S.N., dotsent; PONAMOREV, S.D., professor, doktor tekhnicheskikh nauk; PRIGOROVSKIY, N.I., professor, doktor tekhnicheskikh nauk; RESHETOV, D.N., professor, doktor tekhnicheskikh nauk; SATAL', E.A., professor, doktor tekhnicheskikh nauk; SGRUHSERI, S.V.; SLOBODKIN, M.S., inzhener; SPITSYN, N.A., professor, doktor tekhnicheskikh nauk; STOLBIN, G.B., kandidat tekhnicheskikh nauk; TAYTS, B.A., kandidat tekhnicheskikh nauk; TETEL'BAU, I.M., kandidat tekhnicheskikh nauk; UMANSKIY, A.A., professor, doktor tekhnicheskikh nauk; YEROS'YEV, V.I., professor, doktor tekhnicheskikh nauk;

(Continued on next card)

BABKIN, S.I.--- (continued) Card 2.
KHAYT, D.M., kandidat tekhnicheskikh nauk; SYDINOV, V.Ye., kandidat
tekhnicheskikh nauk; SHRAYBER, M.U., inzhener, nauchnyy redaktor;
SHEDROV, V.S., kandidat tekhnicheskikh nauk, nauchnyy redaktor;
TSVETKOV, A.F., doctsent, nauchnyy redaktor; SLONIKOV, G.I., inzhener,
nauchnyy redaktor; MARKUS, M.Ye., inzhener, nauchnyy redaktor;
KAROANOV, V.O., inzhener, nauchnyy reduktor; ACHERKAS, N.S., doktor
tekhnicheskikh nauk, professor, redaktor; SOKOLOV, T.P., tekhniches-
kiy redaktor

[Manual of machinery manufacture] Spravochnik mashinostroitelei;
v trekh tomakh. Moscow, Gos. nauchno-tekhn. izd-vo mashinostroiteli,
lit-ry. Vol.3. 1951 1098 p. (MIL 10:9)

1. Deystvitel'nyy chlen Akademii nauk USSR (for Serensen)
(Machinery)

SPIVAKOVSKIY, A.O., professor; KRUTIKOV, I.P., dotsent; KUZNETSOV, L.V., in-
zhener.

Basic tasks of the development of hoisting and transporting machine build-
ing, Vest.mash. 33 no.6:16-20 Je '53.
(MLRA 6:6)
(Hoisting machinery)

Dissertation: "Theoretical and Experimental Investigation of Double-Jaw Grab Mechanisms."
Dr Tech Sci, Moscow Order of Labor Red Banner Higher Technical School imeni Bauman,
7 Jun 54. Vechernyaya Moskva, Moscow, 27 May 54.

SO: SUM 254, 26 Nov 1954

AL'SHITS, I.Ya., kandidat tekhnicheskikh nauk; BABKIN, S.I., kandidat tekhnicheskikh nauk; BALAKSHIN, B.S., doktor tekhnicheskikh nauk, professor; BEYSEL'MAN, R.D., inzhener; BELYAYEV, V.H., kandidat tekhnicheskikh nauk; BERZINA, N.I., inzhener; BIRGER, I.A., doktor tekhnicheskikh nauk; BOGUSLAVSKIY, Yu.M., kandidat tekhnicheskikh nauk; BOROVICH, L.S., kandidat tekhnicheskikh nauk; GONIKBERG, Yu.M., inzhener; GORDON, V.O., professor; GORODETSKIY, I. Ye., doktor tekhnicheskikh nauk, professor; GROMAN, M.B., inzhener; DIKAR, Ya.I., kandidat tekhnicheskikh nauk; DOSCHATOV, V.V., inzhener; IVANOV, A.G., kandidat tekhnicheskikh nauk; KHASOSHVILI, R.S., doktor tekhnicheskikh nauk, professor; KHUTIKOV, I.P., kandidat tekhnicheskikh nauk; LEVENSON, Ye.M., inzhener; MAZYRIN, I.V. inzhener; MARTYNOV, A.D., kandidat tekhnicheskikh nauk; NIBERG, N.Ya., kandidat tekhnicheskikh nauk; NIKOLAYEV, G.A., doktor tekhnicheskikh nauk, professor; PETRUSEVICH, A.I., doktor tekhnicheskikh nauk; POZDNYAKOV, S.N., dotsent; PONOMAREV, S.D., doktor tekhnicheskikh nauk, professor; PRONIN, B.A. kandidat tekhnicheskikh nauk; RESHTOV, D.N., doktor tekhnicheskikh nauk, professor; SATEL', E.A., doktor tekhnicheskikh nauk, professor; SIMAKOV, F.F., kandidat tekhnicheskikh nauk; SLOBODKIN, M.S., inzhener; SPITSYN, N.A., doktor tekhnicheskikh nauk, professor; STOLBIN, G.B., kandidat tekhnicheskikh nauk; TAYTS, B.A., doktor tekhnicheskikh nauk; CHERMYSHEV, H.A., kandidat tekhnicheskikh nauk; SHMYDEROVICH, R.M., kandidat tekhnicheskikh nauk;

(Continued on next card)

AL'SHITS, I.Ya., kandidat tekhnicheskikh nauk (and others)..... Card 2.

cheskikh nauk, BYDINOV, V.Ya., kandidat tekhnicheskikh nauk; ERLIKH, L.B., kandidat tekhnicheskikh nauk; ACHERKAN, M.S., doktor tekhnicheskikh nauk, professor, redaktor; MARKUS, M.Ye., inzhener, redaktor; KARGANOV, V.G., inzhener, redaktor; SOKOLOVA, T.F., tekhnicheskiy redaktor.

[Mechanical engineer's manual; in 6 volumes] Spravochnik mashino-stroitelia; v shesti tomakh. Izd.2-e, ispr. i dop. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, Vol.4, 1955. 851 p.
(Mechanical engineering) (MLRA 8:12)

USSR/ Engineering - Conveyors

Card 1/1 Pub. 128 - 4/28

Authors : Krutikov, I. P., Cand. of Mech. Sc.

Title : Motor-driven grab-buckets designed by the All-Union Scientific Research Institute of Hoisting and Conveying Machinery Building

Periodical : Vest. mash. 35/6, 18 - 22, June 1955

Abstract : A description is given of the operation and construction of component parts of two motor-driven grab-buckets (one with a mechanical locking device, and the other with a hydraulic locking device), designed by the All-Union Scientific Research Institute of Hoisting and Conveying Machinery Building, for the use in mechanical excavators and dredgers. Tables; illustrations; graphs; drawings; diagrams.

Institution :

Submitted :

KRUTIKOV, I.P., doktor tekhn.nauk, prof.

Development of the hoisting and conveying machinery industry
during forty years of the Soviet regime. Izv.vys.ucheb.zav.;
mashinostr. no.6:109-118 '58. (MIRA 12:8)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche im.
Bauman'a.
(Hoisting machinery) (Conveying machinery)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8

KHUTIKOV, I.P., doktor tekhn.nauk; SEMENOV, L.N., inzh.

Remote control of lifting cranes. Stroi.i dor.mashinostr.
4 no.8:23-26 Ag '59. (MIRA 12:12)
(Cranes, derricks, etc.) (Remote control)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8"

S/145/61/000/012/002/007
D221/D302

AUTHOR: Krutikov, I. P., Doctor of Technical Sciences, Professor

TITLE: Mechanization and automation of handling in machine building

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Mashinostroyeniye, no. 12, 1961, 43-55

TEXT: The author points out the low level of mechanized handling in all industries. The present advance of techniques has transformed handling from an auxiliary operation into a main factor which determines the rhythm of the plant, and stress is laid on the lag in this activity, compared to the non-Soviet countries. In 1958, there were 200 automatic lines. The average mechanization in engineering in the USSR during 1958 amounted to 35%, whereas the mechanization of basic manufacture was 50%. About 4 million workers were engaged in handling during 1958. The Seven Year Plan envisages a twofold increase of industrial output and employment of 5 million

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S/145/61/000/012/002/007
D221/D302

Mechanization and automation ...

men in handling, notwithstanding the progress in handling machines. In 1958, there were 85% manual loaders out of a total of 250,000 in engineering. In automobile, tractor and agricultural engineering, 25% of production workers are engaged in handling, compared to 15% in the non-Soviet-bloc. Unloading takes up 60%, and loading 90% of manual labor in the radio and electronics industry. The lag in mechanization is due to both inadequate quantity and nomenclature of mechanization equipment produced. Only 45% of the requirements of the national economy in handling were met in 1959, (30% for machines of continuous action). Over 300 plants are now engaged in mechanical handling equipment. Some factories-users have organized this production in their auxiliary shops. The cost of cranes is 54% of the total cost of transportation equipment. The level of mechanized handling in large tractor and agricultural machine factories reaches 60-75%, but it is only 12-15% in plants with annual weight turnover of up to 120,000 t. The coefficient of repeat handling operations varies between 2.8 and 8.7. Internal factory handling in engineering will increase by 2.1 times in the period

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S/145/61/000/012/002/007
D221/D302

Mechanization and automation ...

1958 - 1965. Owing to higher level of mechanization which will change from 35% in 1958 to 72% in 1965, the weight handled by mechanical means will increase by 4.3 times, whereas the load handled manually will decrease by 12%. The importance of handling in flow production is illustrated by the push type conveyor. The tendency to combine manufacturing and handling operations is also quoted. Leading plants in heavy industry have introduced complex mechanization. Manual handling in forging and the press shops covers 75 - 80% of the total work. Conveyor handling between various operations is inadequate. In the assembly shops of Likhachev plant the level of the mechanization is highest. The author mentions insufficient development of loaders and specialized containers for efficient handling of loads. There is also poor exploitation of available handling facilities with long stoppages. The existing account methods do not permit separation of costs of handling which are important for the cost calculation. Mechanized handling slashes labor costs 3.5 times compared to manual work, and the equipment is repaid in 3 - 4 years. The author suggests 72% of mechanized internal factory handling in the engineering industry by 1965.

Card 3/4

Mechanization and automation ...

S/145/61/000/012/002/007
D221/D302

ASSOCIATION: MVTU im. N. E. Baumana (MVTU im. N. E. Bauman)

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Card 4/4

KRUTIKOV, I.P., doktor tekhn. nauk, prof., red.; USPENSKIY, K.G.,
inzh., red. izd-va; GORDEYEVA, L.P., tekhn. red.

[Over-all mechanization and automation of hoisting and conveying
operations in the machinery industry] Kompleksnaya mekhanika
zatsiiia i avtomatizatsiiia podzemno-transportnykh rabot v ma-
shinostroenii. Pod red. I.P.Krutikova. Moskva, Mashgiz, 1962.
266 p. (MIRA 15:9)

1. Moskovskiy dom nauchno-tehnicheskoy propagandy im. F.E.
Dzerzhinskogo.
(Hoisting machinery) (Conveying machinery) (Automation)

ZENKOV, R.L.; PETROV, M.M.; KRUTIKOV, I.P., doktor tekhn. nauk,
prof., retsenzent;

[High power conveyors] Konveiery bol'shoi moshchnosti.
Moskva, Izd-vo "Mashinostroenie," 1964. 426 p.
(MIRA 17:7)

KRUTIKOV, I.P., doktor tekhn.nauk; DRANNIKOV, A.B.; PETROV, E.V.

Efficient use of motor loaders in automobile plants. Avt.prom. 31
no.4:1-4 Ap '65. (MIRA 18:5)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana
i Nauchno-issledovatel'skiy institut tekhnologii avtomobil'noy
promyshlennosti.

KRUTIKOV, K., inzh.

Development of the shipping of export and import cargoes by
combination-type river and seagoing craft. Rech. transp. 24
no.11:4-6 '65. (MIRA 19:1)

KRUTIKOV, K., inzh.; POMERANTSEV, V., inzh.

Prospects for expanding river transportation in the Perm Economic
Region. Rech. transp. 20 no. 3:9-11 Mr '61. (MIRA 14:5)
(Perm Province---Inland water transportation)

KRUTIKOV, K. F.

25933 Krutikov, K. F. K. voprosu o rentgenodiagnostike travmatiseskikh gryzhk diafragmy. Sbornik nauch. rabot lecheb. uchrezhdeniy Mosk. voyen okr. Gorkiy, 1948, s. 327-29.

SO: Letopis' Zhurnal Statey, No. 30, Moscow, 1948.

KRUTIKOV, K. F.
25828

L Flyuorestsiuryushchego Ekrana.
Sbornik Nauch. Rabot Lecheb.
Uchrezhdeniya Mosk. Voen. Okr.
Gor'kiy, 1948, S. 353-54

SO: LETOPIS NO. 30, 1948

KRUTIKOV, K.T., inzh.; GARINOV, K.A., kand. tekhn. nauk; ITTENBERG, I.A., kand. tekhn. nauk; prinnimali uchastiye: VAKHTUROV, A.N., starshiy nauchnyy sotrudnik; VOLKOV, M.V., starshiy nauchnyy sotrudnik; KURTSMAN, L.B., starshiy nauchnyy sotrudnik; BOGATIREVA, M.I., mladshiy nauchnyy sotrudnik; ZABOLOTNEVA, G.K., mladshiy nauchnyy sotrudnik; NOVIKOVA, V.V., mladshiy nauchnyy sotrudnik; ALEKSEYEVA, T.I., mladshiy nauchnyy sotrudnik; PETROVA, I.A., mladshiy nauchnyy sotrudnik; SEDEL'NIKOVA, A.F., mladshiy nauchnyy sotrudnik; KATKOVA, T.I., inzh.; ZELENKOV, P.A., inzh.; SIDOROVA, L.N., starshiy laborant; KALASHNIKOVA, V.M., starshiy laborant; VOYEVODINA, A.Ye., starshiy tekhnik; USPENSKAYA, M.B., starshiy tekhnik; YEPIFANOV, V.K., starshiy tekhnik

[Organization of the shipping of transit cargoes on the Volga-Baltic Sea Waterway.] Organizatsiya perevozok tranzitnykh gruzov po Volgo-Baltiiskomu vodnomu puti. Moskva, Transport, 1965. 109 p. (Moscow. TSentral'nyi nauchno-issledovatel'skii institut ekonomiki i ekspluatatsii vodnogo transporta. Trudy, no.40).

KRUTIKOV, L.P.; SERIKOV, Yu.M., inzhener.

Theory of the operation of the two-roll seeding apparatus of SMK
truck-mounted drills. Sel'khozmashina no.6:13-16 Je '56.

(MLRA 9:8)

1. Sredneaziatskiy nauchno-issledovatel'skiy institut lennogo
khozyaystva.

(Drill (Agricultural implement))

KRUTIKOVA, L.P., kandidat biologicheskikh nauk; LESIK, B.V., kandidat sel'ske-khozyaystvennykh nauk.

Retting hemp bast using a bacterial starter. Dekl.Akad.sel'khoz.21 no.7:
30-35 '56. (MIRA 9:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skekhozyaystvennoy mikrobiologii.(for Krutikova). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut lubyanykh kul'tur.(for Lesik). Predstavlene akademikom I.I. Sameylevym.
(Hemp) (Retting)

16(2),30(1)

06559

AUTHORS: Kel'bert,S.L.,and-Krutikov,L.P.

SOV/166-59-4-10/10

TITLE: On Some Methodical Questions for the Investigation of the Work of Separator-Cleaners

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fiziko-matematicheskikh nauk, 1959, Nr 4, pp 70-76 (USSR)

ABSTRACT: The paper contains numerous proposals for the investigations which have to be carried out for the construction of a separator-cleaner for cotton harvesters. For the determination of the aerodynamic properties of cotton wool and the appearing mixtures of foreign bodies the authors recommend two special devices the principal schemes of which are given. The technology of the separation and cleaning shall be performed as far as possible by a molding of the process under consideration of the laws of the mechanics of similitude. The scheme of a possible mechanic model is given. The evaluation of the results is carried out with statistical methods, especially with the aid of the method of momentum.
There are 5 figures.

ASSOCIATION: Institut matematiki i mekhaniki (Institute of Mathematics and Mechanics)

SUBMITTED: March 2, 1959

Card 1/1

KRUTIKOV, L.P.; ZHATOVA, A.Ye.

Effectiveness of the use of dry bacterial starters in cold-water
retting of hemp on collective farms. Trudy Vses. inst. sel'khoz.
mikrobiol. 16:223-228 '60. (MIRA 13:9)
(Hemp) (Retting) (Clostridium)

VOYDA, A.N. [reviewer]; KRUTIKOV, N.P.; SHCHERBAKOV, K.F.; SMIRNOV, I.I.;
POPOV, I.F. [authors].

Review of "Theory, design and calculations of farm machinery," volume 1,
by N.P.Krutikov, K.F.Shcherbakov, I.I.Smirnov and I.F.Popov. Sel'khoz-
mashina no.10:31-32 0 '53. (MLRA 6:11)
(Agricultural machinery) (Krutikov, N.P.)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8

KRUTIKOV, P.I.

Mechanization and automation in hoisting and conveying works in
machinery industry. Mashinostroyenie 11 no.10;10 0 '62.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8"

137-58-4-6401

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 10 (USSR)

AUTHORS: Khetagurov, G. D., Krutikov, P. M.

TITLE: The Effect of the Working Out of a Vein on Flotation Criteria
(Vliyanie razubozhivaniya na pokazateli flotatsii)

PERIODICAL: Sb. tr. Vses. n.-i. in-ta tsvetn. met., 1956, Nr 1, pp 30-37

ABSTRACT: Laboratory tests were employed to determine the effect of the working out (W) of a deposit on the flotation indices of sulfide ore at one of the fields of a polymetallic source. Pb-Zn-Cu ore, the initial content of which had been 5 percent Pb, 10 percent Zn, and 0.6 percent Cu, was becoming diluted with gangue. The degree of W varied from 0 to 90 percent. The final mixture contained 0.5 percent Pb, 1 percent Zn, and 0.06 percent Cu. It was established that W of the initial ore to contents of about 1.5 percent Pb, 3 percent Zn, and 0.15 percent Cu is accompanied by only a negligible diminution in the extraction of Pb and Zn in the respective froth products. Further W of the ore results in a sharper increase in losses of Pb and Zn in the final tailings. Extraction of Cu undergoes a constant diminution as W increases, and the rate of this decline is considerably more rapid than that

Card 1/2

137-58-4-6401

The Effect of the Working Out of a Vein on Flotation Criteria

in the extraction of Pb and Zn. However, the low Cu content of the initial ore should be taken into consideration. Selective flotation of Pb and Zn remains unchanged for all mixtures and is not dependent upon W.

- A. Sh
1. Ores--Processes 2. Minerals--Extraction 3. Flotation--Applications

Card 2/2

ABDEEV, Masgut Abdrahmanovich, kand. tekhn. nauk; GETSKIN,
Lev Solomonovich, doktor tekhnicheskikh nauk;
ZAPLAVNYY, Aleksey Yakovlevich, kand. ekon. nauk;
KRUTIKOV, Petr Maksimovich, inzh.; LAKEVNIK, Mark
Moiseyevich, doktor tekhn. nauk; SMIRNOV, Vasiliy
Ivanovich, akademik;

[Modern methods of treating lead and zinc ores and
concentrates] Sovremennye sposoby pererabotki svintsovovo-
tsinkovykh rud i kontsentratov. [By] N.A. Abdeev i dr.
Moskva, Metallurgiya, 1964. 285 p. (MIRA 17:10)

1. Akademiya nauk Kaz.SSR (for Smirnov).

KRUTIKOV, P. S.

Letniye Posedy Lyutserny V Sibiri. Agrobilogia
no. 3, 1952. Sosnovskiy zernosovkhoz, Azovskogo
rayona, Omskoy oblasti

Monthly List of Russian Accessions. Library of
Congress, September 1952. Unclassified

KRUTIKOV, V.B., inzh.

Preparation of dismantling diagrams and sketches of systems and
pipeline fittings for ships under repair. Sudostroenie 25 no.10:
47-50 O '59. (MIRA 13:2)
(Ships--Maintenance and repair)

KRUTIKOV, V.B., inzh.

Experience in remodeling ships with conversion from solid
to liquid fuels. Sudostroenie 27 no.11:51-54 N '61. (MIRA 15:1)
(Fuel)
(Marine engineering)

AUTHOR : Krutikov, V.I.

"Method of Broadband Balancing of the Antenna-Feeding Channel of Multichannel
Radio Relay Lines,"
A-U Sci Conf Dedicated to "Radio Day," Moscow 20-25 May 1957.

PERIODICAL: Radiotekhnika i Elektronika, Vol. 2, No. 9, pp. 1221-1224,
1957, (USSR)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8

KRUTIKOV, V. I.

DECEASED

1964

c. '64

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8

MOROZENSKIY, L.I.; MITENEV, O.A.; KRUTIKOV, V.K.

Longitudinal hot cracks in continuously cast slabs. Stal'
25 no.4:312-317 Ap '65. (MIRA 18:11)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8"

SCHREYDER, V.O.; KRUTIKOV, V.M..

Automated service station, Transp. i khran. nefti no. 7:30-31 '63.
(MIRA 17:3)

1. Volgogradskaya proyektchnaya kontora Glavnogo upravleniya po trans-
portu i zhabzheniyu naft'yu i naftoproduktam RGFSR.

RYAZANOV, V.S.; BUTUZOVA, V.P.; SIMCHOV, G.V.; GOL'DSHTEYN, A.M.;
KORNEYEV, N.A.; SAMCYLOV, Ya.M.; LYSYKH, I.V.;
KHMEL'NITSKIY, G.S.; KRUTIKOV, Ye.B.; ANTONOV, M.F.;
DOBROSEL'SKAYA, T.M.

[Recommendations for the establishment of schemes for
planning farming areas] Rekomendatsii po sostavleniiu
skhem planirovki sel'skokhoziaistvennykh raionov. Moskva,
Stroiizdat, 1965. 151 p. (MIRA 18:7)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy i
proyektnyy institut po gradostroitel'stvu. 2. TSentral'-
nyy nauchno-issledovatel'skiy i proyektnyy institut po
gradostroitel'stvu, Moskva.

MIKHAYLOVA, Ninel' Petrovna; GLEVASSKAYA, Alla Mikhaylovna;
KRUTIKHOVSKAYA, Z.A., kand. geol.-miner. nauk, otv.
red.; SERDYUK, O.P., red.

[Magnetization of the basic and ultrabasic rocks of the
Ukrainian Shield and its use in geology] Namagnichennost'
osnovnykh i ul'traosnovnykh porod Ukrainskogo shchita i ee
ispol'zovanie v geologii. Kiev, Naukova dumka, 1965.
148 p.
(MIRA 18:8)

KREMLIN, 1A.D.

USSR.

Solubility diagrams for the systems ϵ -caprolactum-dichlorethane-water, ϵ -caprolactam-chloroform-water, ϵ -caprolactam-methylene chloride-water. G. I. Kudryavtseva and A. D. Krutkova. *J. Appl. Chem. U.S.S.R.* 16, 1129-31 (1953) (Eng. translation); *Zhur. Prilich. Khim.* 26, 1103-4 (1953). - For a low content (up to 10%) of ϵ -caprolactam in the system ϵ -caprolactam-dichlorethane-water, its partition between water and dichlorethane is such that most of the lactam passes into the aq. layer. As the lactam concn. increases, the distribution is in favor of the org. solvent. In the system ϵ -caprolactam-chloroform-water, the distribution of the lactam favors the CHCl_3 layer immediately. However, as the CHCl_3 content of the original mixt. increases, the partition coeff. decreases. In the system ϵ -caprolactam-methylene chloride-water, the lactam concn. is greater in the methylene chloride layer than in the aq. layer. In contrast to CHCl_3 , the partition coeff. increases with increasing content of the lactam in the mixt. Sidney Arden

1. Vsesoyuznyy Nauchno-issledovatel'skiy institut iskusstvennogo volokna.

KUDRYAVTSIV, G. I.; KATORZHINOV, N. D.; KRUTIKOVA, A. D.

Fraction composition of polyamides obtained by the polycondensation method. Khim.volok. no.3:16-18 '59.

(MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iekunstvennogo volokna (VNIIV).

(Amides)

KUDRYAVTSEV, G.I.; KATORZHNOV, N.D.; KRUTIKOVA, A.D.

Studying the process of polymerization of caprolactam by the
fractionation of polymers. Report No.4 Khim.volok. no.4:
10-12 '59.
(MIRA 13:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna.
(Hexamethylenimine) (Polymerization)

S/183/60/000/02/12/025
B004/B005

AUTHORS: Kudryavtsev, G. I., Katorzhnov, N. D., Krutikova, A. G.
TITLE: Investigation of the Fractional Composition of Polycaprolactam
PERIODICAL: Khimicheskiye volokna, 1960, No. 2, pp. 30 - 33

TEXT: This is the 5th information of the series "Investigation of Polymerization of Caprolactam". It was the object of the present paper to check the influence of the end group on the fractional composition of polycaprolactam as predicted by A. A. Strepikhayev (Ref. 2). Caprolactam was polymerized by addition of water as an activator, and acetic acid or cyclohexylaminacetate as a stabilizer. Polymerization took place in nitrogen-filled phials (Table). The results are shown in Figs. 1,2. The fractional composition of the caprolactam polymerizate of a mean polymerization degree (65-150) obtained at equal temperature is independent of the type of the end group (amine-, carboxyl-, acetamide-, or alkylamide group). The fractional composition of the polymers obtained at equal temperature is a function of the polymerization degree. The lower it is, the more homogeneous is the composition. A homogeneous polymerizate cannot be produced by usual methods.

Card 1/2

Investigation of the Fractional Composition of
Polycaprolactam

S/183/60/000/02/12/025
B004/B005

The authors mention papers by V. V. Korshak and S. Ye. Bresler (Ref. 6) and
A. V. Volokhina (Ref. 11). There are 2 figures, 1 table, and 11 references,
5 of which are Soviet.

ASSOCIATION: VNIIIV (All-Union Scientific Research Institute of Synthetic
Fibers)

Card 2/2

TKACHUK, V.G., doktor geologo-mineralog. nauk; TOLSTIKHIN, N.I., prof.; PINNEKER, Ye.V., kand. geologo-mineralog. nauk, mladshiy nauchnyy sotr.; YASNITSKAYA, N.V., mladshiy nauchnyy sotr., khimik; KRUTIKOVA, A.I., mladshiy nauchnyy sotr., khimik; SHOTSKIY, V.P., kand. geogr. nauk; ORLOVA, L.M.; starshiy gidrogeolog; STEPANOV, V.M., kand. geologo-mineralog. nauk; VLASOV, N.A., kand. khim. nauk; PROKOP'YEV, B.V., kand. khim. nauk; CHERNYSHEV, L.A., starshiy prepodavatel'; PAVLOVA, L.I., starshiy prepodavatel'; Prinimali uchastiye: IVANOV, V.V., kand. geologo-mineralog. nauk; YAROTSKIY, L.A., kand. geologo-mineralog. nauk; KARASEVA, A.P., nauchnyy sotv.; ARUTYUNYANTS, R.R., nauchnyy sotr.; ROMANOVA, E.M., nauchnyy sotr.; TROFIMUK, P.I., starshiy hidrogeolog; LADEISHCHIKOV, P.I., starshiy nauchnyy sotr., kand. geogr. nauk; IYSAK, S.V., starshiy laborant; KRUCHININA, L.Yu., laborant; SEMENOVA, Ye.A., red. izd-va; BOCHEVER, V.T., tekhn. red.

[Mineral waters of the southern part of Eastern Siberia] Mineral'nye vody iuzhnoi chasti Vostochnoi Sibiri. Moskva. Vol.1. [Hydrogeology of mineral waters and their significance for the national economy] Gidrogeologiya mineral'nykh vod i ikh narodnokhoziaistvennoe znaenie. Pod obshchei red. V.G.Tkachuk i N.I.Tolstikhina. 1961. 346 p. (MIRA 14:8)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Vostochno-sibirskiy geologicheskiy institut. (Continued on next card)

TKACHUK, V.G.--- (continued) Card 2.

2. Vostochno-Sibirskiy geologicheskiy institut (for Tkachuk, Pinneker, Yasnitskaya, Krutikova, Lysak). 3. Institut geografii Sibirs'kogo otdeleniya Akademii nauk SSSR (for Shotakiy). 4. Chitinskoye geologicheskoye upravleniye (for Orlova). 5. Sosnovskaya ekspeditsiya Ministerstva geologii i okhrany nedor SSSR (for Stepanov). 6. Irkutskiy gosudarstvennyy universitet (for Vlasov, Prokop'yev, Chernyshev, Pavlova). 7. Leningradskiy gornyy institut (Tolstikhin). 8. Gosudarstvennyy nauchno-issledovatel'skiy institut kurortologii i fizioterapii (for Ivanov, Yarotskiy, Karaseva, Arutyunyants, Romanova). 9. Irkutskoye geologicheskoye upravleniye (for Trofimuk). 10. Baykal'skaya limnologicheskaya stantsiya Vostochno-Sibirs'kogo filiala AN SSSR (for Ladeyshchikov). 11. Otdel ekonomiki i geografii Vostochno-Sibirs'kogo filiala AN SSSR (for Kruchinina).

(Siberia, Eastern—Mineral waters)

KRUTKOVA, A.S.

Determination of the toxigenicity of diphtheria microbes in
a mixed culture. Trudy IEMD no.8:84-88 '61.

Serological characteristics of diphtheria cultures isolated
during 1955-1958 and the stability of the typological nature
of the cultures and antisera. Ibid.:89-100

(MIRA 17:2)

STAROVEROVA, A.G.; KRUTKOVA, A.S.; RAYKHSHTAT, G.N.; TIKHOMIROVA, L.I.

Epidemiological role of carriers of toxigenous diphtheria cultures under various epidemiological conditions. Trudy IEMG no.8:101-112 '61 (MIRA 17:2)

1. Moskovskiy nauchno-issledovatel'skiy institut epidemiologii, mikrobiologii i gigiyeny (for Staroverova, Krutkova). 2. Sanitarno-epidemiologicheskaya stantsiya Sverdlovskogo i Kominternovskogo rayonov (for Raykhshtat, Tikhomirova).

RA-4/14/2000, E-12-XE.

"A Magnetic Commutator and Its Application for a Telemetering System," by I. K. Parra and B. Ye. Krutikova, Avtomatika, No 1, 1957, pp 69-78

This article examines a magnetic commutator for transformer magnetic amplifiers which was designed at the Institute of Electrical Engineering of the Academy of Sciences Ukrainian SSR.

The magnetic commutator gives a means of obtaining current or voltage readings at output, which are proportional to measured values.

The automatic control laboratory is constantly working on the problems of interference elimination and the rate of action of the magnetic commutators on the magnetic amplifiers of transformers with various telemetering, telecontrol, and telesignaling systems. (U)

Sens. 1391

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8

KRUTIKOVA, E.G.

Clinical characteristics of atrophic myotonia. D-n. klin. nevr.
no.2:78-85 '64
(NPA 18:1)

Changes in the cranial bones in atrophic myotonia. Ibid. 86-92

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8"

KRUTIKOVIT, G.V.

SUBJECT USSR/MATHEMATICS/Applied Mathematics CARD 1/2 PG - 440
AUTHOR SOLODOVNIKOV V.V., TOPČEEV Ju.I., KRUTIKOVA G.V.
TITLE The frequency method for the construction of transition
processes. With an appendix: Tables and monograms. Handbook.
PERIODICAL Moscow: State Publication for technical-theoretical
Literature. (1955) 195 p.
reviewed 12/1956

For the determination of the transition function by aid of the trapezoidal characteristics the local curve is approximated by trapezoidal parts. Thus the integral representation of the transition function is reduced to a finite sum of certain typical functions $h_x(t)$. These functions are linear combinations of integral sines and can be tabulated. The method permits 1) to attain the transition function even from experimentally obtained frequency images; 2) to reduce the determination of the transition function to a purely mechanic computing process which is very suitable for the practical man. The application of this method was difficult till now: sufficient tables for $h_x(t)$ were missing. This want is now supplied by the present book. It contains four-figure tables of the $h_x(t)$ -values for $0 \leq x \leq 1$ with intervals 0.01 and for $0 \leq t \leq 50$ with intervals 0,2. The comparison with the former threefigure tables of Solodovnikov shows that these latter ones are not exact in the third figures. Besides of the

Moscow: State Publication for technical-theoretical Literature. (1955) 195 p.

CARD 2/2 PG - 440

h-tables the book brings tables for the integral sine and numerous auxiliary curves and nomograms for facilitating intermediate calculations. The book starts with a very detailed theoretical representation of the method (p.7-41) and numerous examples of application (p.42-75) which are followed by the tables (p.76-195).

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8

KRUTIKOVA, I. (Moskva)

Shorting of the heater filament with the cathode of a kinescope.
Radio no. 10:50 0 '62. (MIRA 15:10)

(Television—Picture tubes)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8"

KRUTIKOVA, I.P. (Leningrad, Pryadil'naya ul., d. 36, kv.68).

Pancreatic blood vessels and ducts in human subjects. Arkh.anat.,
gist. i embr. 35 no.5:27-32 S-O '58 (MIRA 11:12)

1. Kafedra normal'noy anatomi cheloveka (sav. - chlen-korrespondent
AMN SSSR prof. D.A. Zhdanov) Leningradskogo sanitarno-gigiyenicheskogo
meditsinskogo instituta.

(PANCREAS, blood supply

anat. (Rus))

(PANCREATIC DUCTS, anat. & histol.

(Rus))

KRUTIKOVA, I. F.

Architectonics of the pancreatic ducts. Trudy LSGMI 45:190-198
'58 (MIRA 11:11)

1. Kafedra normal'noy anatomii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - chlen-korrespondent AMN SSSR, prof. D.A. Zhdanov).
(PANCREAS)

БОГДАНОВА, И.П.

Architecture of the lymphatic channels in the pancreas. Trudy
LNIMI 65(103.11) '61. (MIRA 17:4)

1. Kafedra normal'noy anatomiï Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - prof. V.M.Nadezhdin).

ACCESSION NR: AP4029227

S/0131/64/000/004/0182/0183

AUTHOR: Guzman, I. Ya.; Komissarova, N. M.; Krutikova, I. M.; Stepanov, M. A.

TITLE: Sintering and some properties of CaF_2 ceramics

SOURCE: Ogneupory*, no. 4, 1964, 182-185

ABSTRACT: Calcium fluoride has found wide use in various regions of technology as an active flux. Recently, calcium fluoride has begun to be used as a construction and shielding material for conducting a number of high-temperature chemico-metallurgical processes in fluorine-containing media. The authors bring to light processes of sintering as well as some properties of ceramics based on calcium fluoride. Characteristics of the initial materials are given in a table. Characteristics of ceramics from commercial calcium fluoride and the characteristics of ceramics from pure calcium fluoride are presented in tables which depict their properties at different temperature ranges. The composition in properties of grain structure samples of commercial calcium fluoride are given. Testing of calcium fluoride ceramics for corrosion resistance was conducted in a fluorine medium (concentration 92-97%) at a temperature of 750°C for 16 hours. The evaluation was conducted by visual and weight methods, as well as by stability change during the testing. The rate of corrosion of laboratory and industrial samples was from 5.5 to 19 $\text{g}/\text{m}^2/\text{hr}$;

Card 1/2

ACCESSION NR: AP4029227

during testing the stability increased. The obtained results attest to the fact that in a fluorine medium, at 750°C, calcium fluoride ceramics are completely stable and maintain their stability. Therefore, parts can be recommended for service under such conditions as refractory lining material, filters, etc. Orig. art. has: 4 tables.

ASSOCIATION: Khimiko-tehnologicheskiy institut im. D. I. Mendeleyeva (Chemico-technological Institute)

SUBMITTED: 00

DATE ACQ: 28Apr64

ENCL: 00

SUB CODE: ML

NO REP SOV: 000

OTHER: 005

Card 2/2

APPENDIX. The self oscillations in adaptive systems with models (cf. N. Krutova, V. Yu. Rutkovskiy, Izv. AN SSSR, Tekhnicheskaya kibernetika, 1964, no. 1, 2) are obtained by the method of harmonic balance for the cases of constant object and a constant control interval. This is a very simple approach.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826810017-8"

limiting cycles of the above-mentioned adaptive systems, their stability, and the influence of system parameters. This is done by the same type of systems as in the previous section.

KRUTOVA, I.N. (Moskva); RUTKOVSKIY, V.Yu. (Moskva)

Study of a second-order adaptive system with a model. Avtom. i
telem. 26 no.1:73-87 Ja '65.
(MIRA 18:4)

KHUTIKOVA, Klavdiya Aleksseyevna

[Physical factors in the prevention of diseases and complications in pregnancy; a manual for use in maternity consultation] Fisi-
cheskie faktory v profilaktike zabolеваний i oslozhnenii u bere-
monnykh zhenshchin; v pomoshch meditsinskim rabotnikam zhenskikh
konsul'tatsii. Moskva, Medgiz, 1955. 58 p. (MIRA 12:2)
(PREGNANCY, COMPLICATIONS OF)

KRUTIKOVA, K.A.; KIANG, G.A.

Treatment of first-aid and second-degree burns with ultraviolet rays
from a mercury-quartz lamp. Med. sestra 18 no.5:20-25 My '59.

(MIRA 12:7)

1. Is polikliniki Ministerstva vysshego obrazovaniya, Moskva.
(BUMPS AND SCALDS) (ULTRAVIOLET RAYS--THERAPEUTIC USE)

KRUTIKOVA, K.A.; KLANG, G.A.

Treatment of thermal burns with the action of ultraviolet rays from
a mercury-quartz lamp. Vop. kur., fizioter. i lech. fiz. kul't. 26
no.3:255-256 My-Je '61. (MIRA 14:7)

1. Iz polikliniki Ministerstva vysshego obrazovaniya (glavnnyy vrach
G.A.Klang).

(BURNS AND SCALDS)
(ULTRAVIOLET RAYS—THERAPEUTIC USE)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8

KRUTIKOVA, L. P.

"The microorganisms of warm flax-retting," Tr. Vses. Inst. s.-kh. 7, 1, p 23, 1936.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8

KRUTIKOVA, I. and MARKOVA, Z. S.

"A new causal agent of pectin fermentation," Mikrobiologiya, 7, No 1, p 80, 1936.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8"

1. KRUTIKOVA, L. P.
 2. USSR (600)
 4. Bacteria, Anaerobic
 7. Dry ferment from a Clostridium felsineum culture for improving flax retting.
Trudy Vses. inst. sel'khoz. mikrobiol 11 no. 2, 1951
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

USSR/Medicine, Epidemiology - Bacteriology- Jan/Feb 52
local Rodent Control

"Comparative Evaluation of Nutrient Media for the
Cultivation of Isachenko-Danysz Bacteria," L. P.
Krutikova, All-Union Sci Res Inst of Agr Microbiol,
Leningrad

"Mikrobiologiya" Vol XXI, No 1, pp 66-70

In connection with the organization of mass production of rat- and mice-killing bacteria in the localities where they are applied, and in view of the fact that other nutrient media besides the prescribed brewery yeast were used for that purpose, particularly during World War II, an investigation of nutrient media became imperative.

Bakery yeast, milk, peas, and (with some modifications and subject to further testing) rye bran were found to be satisfactory. If cultures of Isachenko-Danysz Bacteria have been kept for 45-50 days, the number of bacterial cells is lowered by 30-50%. The lethality of rats then amounts to only 40%.

223T35

273T35

KRUTIKOVA, L. P.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810017-8"

KRUTIKOVA, L. P.

"Factors Which Condition the Preservation of the Activity of Cultures of Clostridium felsineum".

Tr. Vses. N. -i, In-ta S-kh Mikrobiol., No. 2, pp 109-112, 1953.

To preserve the activity of cultures of Clostridium felsineum which are employed as leavens, it is necessary to maintain a relationship between the temperature of cultivation and the temperature of further utilization. Leavens for warm soaking should be cultivated at 35-37°, and for cold soaking at 23-25° and 15-16°. The activity of the leaven diminishes when the culture is subjected to frequent passages. It is not recommended that passages be carried out more frequently than twice a month. (RZhBiol, No. 10, 1955)

SO: Sum No 884, 9 Apr 1956

USSR / Microbiology. Industrial Microbiology.

F-3

Abs Jour : Ref Zhur - Biol., No 20, 1958, No. 90814

Author : Krutikova, L. I.

Inst : Not given

Title : Trial Dossication of Clostridium Falsinum Culture by
the Sublimation Method in ordor to Prepare Dry ferment
for Soaking of Flax and Hemp

Orig Pub : Per. nauchno-tekhn. inform. po s.-kh. mikrobiol., 1957,
No 3, 33-35

Abstract : A culture of Cl. falsinum was cultivated on synthetic
medium and separated; the obtained paste was dessicated
by the sublimation method. There was a 40 - 60% yield of
dried preparation from the paste. The dry ferment con-
tained 2 - 14 milliard cells in 1 g. In the process of
drying ~50% of the viable cells were destroyed. The dry

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USSR / Microbiology. Industrial Microbiology.

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Abs Jour : Ref Zhur - Biol., No 20, 1958, No. 90814

ferment was well preserved at 2 - 5 degrees and accelerated
the soaking process of flax by 30 - 50%. -- A. L.
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